

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	147497	hard adj2 (disk\$4 disc\$4) near4 drive	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/30 12:04
L2	42015	(suspension outrigger head slider magnetic head) with (load roll angle pitch) with (chang\$4 correct\$4 alter\$5 level\$4 displac\$5)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/30 12:07
L3	23593	(suspension outrigger head slider magnetic head load roll angle pitch chang\$4 correct\$4 alter\$5 level\$4 displac\$5) with laser with (heat\$4 melt\$4 distort\$4 warp\$4)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/30 12:08
L4	66	1 and 2 and 3	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/30 12:09
L5	7	1 and 2 same 3	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/30 12:09
L6	4	((("6011239") or ("4691241") or ("5622567") or ("6086773")).PN.	USPAT; USOOR	OR	OFF	2008/04/30 12:24
L7	103	laser with correct\$4 near2 pitch	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/30 12:34
L8	9	7 same (plus minus positive negative up down)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/30 12:34
L9	8	7 same (plus positive up) with (minus negative down)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/30 12:35

L10	4103	correct\$4 near2 pitch	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/30 12:36
L11	130	10 same (plus positive up) with (minus negative down) not 9	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/30 12:36
L12	26	11 and laser	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/30 12:37
L13	1	12 and scan\$4 adj2 across	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/30 12:54
L14	1	("6837092").PN.	USPAT; USOCR	OR	OFF	2008/04/30 12:56
L15	1	14 and across	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/30 12:56
L16	1	14 and lens	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/30 13:02
L17	0	14 and galvan\$5	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/30 13:04
S1	1	("6640604").PN.	USPAT; USOCR	OR	OFF	2007/06/09 12:23
S2	8	("3834199" "5588200" "5719374" "6011239" "6423160").PN. OR ("6640604").URPN.	US_PGPUB; USPAT; USOCR	OR	ON	2007/06/11 10:15
S3	7	S2 and laser	US_PGPUB; USPAT; USOCR	OR	ON	2007/06/11 10:15
S4	4	S2 and laser with (bend\$4 warp\$4 shap\$4 bent)	US_PGPUB; USPAT; USOCR	OR	ON	2007/06/11 10:17
S5	4	S2 and laser near4 (bend\$4 warp\$4 shap\$4 bent)	US_PGPUB; USPAT; USOCR	OR	ON	2007/06/11 10:18

S6	597	(energy beam laser) near4 (bend\$4 warp\$4 bent) with (strip plate object sheet thin) and laser adj beam	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 10:25
S7	34	S6 and (polar\$5 with (galvan\$5 scan\$5 mirror)) and (condens\$5 with lens)	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 10:30
S8	26	S7 not beam adj bender	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 10:25
S9	233	(energy beam laser) near4 (bend\$4 warp\$4 bent) near3 (strip plate object sheet thin) and laser adj beam	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 10:25
S10	8	S9 and (polar\$5 with (galvan\$5 scan\$5 mirror)) and (condens\$5 with lens) not beam adj bender	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 10:28
S11	2	S10 not bending adj mirror	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 10:36
S12	0	("2004/0037011").URPN.	USPAT	OR	ON	2007/06/11 10:28
S13	40	laser with control\$4 same (polar\$5 with (galvan\$5 scan\$5 mirror)) same (condens\$5 with lens)	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 10:31
S14	1	"2004/0037011"	US-PGPUB; USPAT; USOOR	OR	ON	2007/12/05 11:51
S15	167	polariz\$5 near5 ((galvano scan\$5) adj2 mirror)	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 10:38
S16	77	(laser beam) with (condens \$5 with long with (focal focus\$4) with lens)	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 10:56
S17	1	S15 and S16	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 10:40
S18	5310	(laser beam) with (condens \$5 with (focal focus\$4) with lens)	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 10:57
S19	7	S15 and S18	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 10:57

S20	46	("3588440" "4120187" "4603567" "4777544" "4853810" "4996113" "5012369" "5228324" "5256850" "5297413" "5303108" "5341256" "5343543" "5347415" "5359872" "5514849" "5537276" "5588200" "5712463" "5719374" "6245444" "6442831" "6640604").PN, OR ("5719374" "6011239" "6806723").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 11:09
S21	28	S20 and laser with (bend\$4 bent warp\$4 twist\$4 shap\$4)	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 11:11
S22	26	S21 not S5	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 11:10
S23	0	S22 and polar\$5 same mirror same lens	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 11:11
S24	0	S22 and polar\$5	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 11:11
S25	1857	polar\$5 same laser with (bend\$4 bent warp\$4 twist \$4 shap\$4)	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 11:11
S26	286	polar\$5 same laser with (bend\$4 bent warp\$4 twist \$4)	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 11:11
S27	9	polar\$5 same laser with (bend\$4 bent warp\$4 twist \$4) with (thin sheet film strip)	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 11:27
S28	51	polar\$5 same laser with (bend\$4 bent warp\$4 twist \$4) with (thin sheet film strip plate)	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 11:12
S29	43	polar\$5 with laser with (bend\$4 bent warp\$4 twist \$4) with (thin sheet film strip plate)	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 11:12
S30	37	S29 not S27	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 11:14
S31	18	S30 not (optical adj path with (bend\$4 bent warp\$4 twist\$4))	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 11:28
S32	1	S14 and (galvano scanner) and polar\$5	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 12:11
S33	1	S14 and (galvano with scanner) same polar\$5	US-PGPUB; USPAT; USOOR	OR	ON	2007/06/11 11:47

S34	1	S14 and (galvano with scanner) same polaris\$5 and condens\$5 with (focus \$4 focal) with length with lens	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 11:49
S35	13	laser with condens\$5 with long with (focus\$4 focal) with length with lens	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 12:42
S36	6	laser with polariz\$5 with (xy (x with y)) with (galvano scan\$4) adj2 mirror	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 11:56
S37	14	(galvano scanner) near3 mirror adj4 polarized	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 12:11
S38	155	laser with spot near shape with (elongat\$4 character line oval ellip\$7)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 12:46
S39	58	laser with spot near shape adj4 (elongat\$4 character line oval ellip\$7)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 12:47
S40	4	laser with spot near shape adj4 (alphabet\$5 number numeral character)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 12:51
S41	4	S40 with spot near shape	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 12:49
S42	4	S40 with shape	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 12:49
S43	94	laser with spot near shape adj4 (line linear elongat \$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 12:52
S44	104	laser with spot near shape adj4 (line linear elongat\$4 oval\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 12:55
S45	0	laser with spot near shape adj4 (line linear elongat\$4 oval\$5) same control\$4 near2 (heat\$3 thermal\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 12:53
S46	0	laser with spot near shape adj4 (line linear elongat\$4 oval\$5) same regulat\$4 near2 (heat\$3 thermal\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 12:54
S47	0	laser with spot near shape adj4 (line linear elongat\$4 oval\$5) same (heat\$3 thermal\$4) near3 (absorb \$4 transfer\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 12:54
S48	7	laser with spot near shape adj4 (line linear elongat\$4 oval\$5) same (energy heat thermal\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 12:57

S49	0	laser with spot near shape adj4 (line linear elongat\$4 oval\$5) same control\$4 near3 input with (energy heat\$3 thermal\$4)	US_PGPUB; USPAT; USOOR	OR	ON	2007/06/11 12:58
S50	0	laser with spot near shape adj4 (line linear elongat\$4 oval\$5) and controls\$4 near3 input with (energy heat\$3 thermal\$4)	US_PGPUB; USPAT; USOOR	OR	ON	2007/06/11 12:59
S51	1	laser with spot near2 shape near4 (line linear elongat\$4 oval\$5) and control\$4 near3 input with (energy heat\$3 thermal \$4)	US_PGPUB; USPAT; USOOR	OR	ON	2007/06/11 13:03
S52	21	laser with spot with shape near2 select\$4	US_PGPUB; USPAT; USOOR	OR	ON	2007/06/11 13:30
S53	1	("6058132").PN.	USPAT; USOOR	OR	OFF	2007/06/11 13:30
S54	3	(("6011239") or ("4691241") or ("5622567")).PN.	USPAT; USOOR	OR	OFF	2007/12/05 11:45
S55	1	S54 and galvano with mirror with polarized	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/05 11:43
S56	4	((("6011239") or ("4691241") or ("5622567") or ("6086773"))).PN.	USPAT; USOOR	OR	OFF	2007/12/05 11:46
S57	1	S56 and precise with pattern with needed	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/05 11:46
S58	1	"20040037011"	US_PGPUB; USPAT; USOOR	OR	ON	2007/12/05 11:51
S59	1	S58 and combined with shape with character	US_PGPUB; USPAT; USOOR	OR	ON	2007/12/05 11:55
S60	1	S58 and first with end with point	US_PGPUB; USPAT; USOOR	OR	ON	2007/12/05 11:55

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